



1959-12

# Naval Postgraduate School General Line Casse 1959 B, General Line and Naval Science School Graduation / December 1959



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*United States*

*Naval Postgraduate School*

Monterey, California



GENERAL LINE CLASS 1959 B

General Line and Naval Science School

*Graduation*

Wednesday, December 16, 1959

TEN O'CLOCK

KING HALL

## MISSION

To raise the educational level, broaden the mental outlook, and increase the professional and scientific knowledge of line officers in order that they may better perform the duties and meet the responsibilities of higher rank.

Rear Admiral E.E. Yeomans, U.S. Navy  
Superintendent, U.S. Naval Postgraduate School

Captain R.P. Beebe, U.S. Navy  
Director, General Line and Naval Science School

Professor F.E. La Cauza  
Academic Chairman, General Line and Naval Science School

# *Program*

## MUSICAL PRELUDE

### PROCESSIONAL

March and Chorus from "Judas Maccabaeus" . . . . . Handel

### NATIONAL ANTHEM

### INVOCATION

Commander EDWARD J. HEMPHILL, JR., CHC, U.S. Navy

### INTRODUCTION OF THE SUPERINTENDENT

Captain ROBERT P. BEEBE, U.S. Navy  
Director, General Line and Naval Science School

### INTRODUCTION OF THE SPEAKER

Rear Admiral E.E. YEOMANS, U.S. Navy  
Superintendent, U.S. Naval Postgraduate School

### ADDRESS TO THE GRADUATES

Vice Admiral R.E. LIBBY, U.S. Navy  
Commander, First Fleet

### AWARD OF CERTIFICATES FOR COMPLETION OF CURRICULUM

Rear Admiral E.E. YEOMANS, U.S. Navy  
Superintendent, U.S. Naval Postgraduate School

### BENEDICTION

Lieutenant Commander LEON S. DARKOWSKI, CHC, U.S. Navy

### RECESSIONAL

March Militaire Francaise from "Algerian Suite" . . . Saint-Saens

### RECEPTION

In honor of the graduating students and their families, there will be a reception in the Bali Room, Herrmann Hall, commencing immediately after the ceremony. Those attending the ceremony are cordially invited.

### MUSIC BY

UNITED STATES ARMY BAND  
FORT ORD, CALIFORNIA  
Chief Warrant Officer GLENN C. BISTLINE, Conducting

## PLATFORM PARTY

### First Row (R. to L.)

Captain Thomas L. Conroy, U.S. Navy  
Director, Navy Management School, N.P.S.

Captain Kenneth F. Musick, U.S. Navy  
Commanding Officer, Naval Air Facility, Monterey

Captain Jefferson D. Parker, U.S. Navy  
Assistant Director, General Line and Naval Science  
School, N.P.S.

Captain Lowell W. Williams, U.S. Navy  
Chief of Staff, Naval Postgraduate School

Dean Roy S. Glasgow  
Academic Dean, Naval Postgraduate School

Captain Robert P. Beebe, U.S. Navy  
Director, General Line and Naval Science School, N.P.S.

Rear Admiral E.E. Yeomans, U.S. Navy  
Superintendent, Naval Postgraduate School

Vice Admiral R.E. Libby, U.S. Navy  
Commander, First Fleet

Captain Harold M. Heming, U.S. Navy  
Director, Engineering School, N.P.S.

Captain Maxim W. Firth, U.S. Navy  
Commanding Officer, Administrative Command, N.P.S.

### Second Row (R. to L.)

Commander Robert E. Paige, U.S. Navy  
Department of Humanities, GLNSS

Captain William B. Paulin, U.S. Navy  
Department of Applied Engineering, GLNSS

Captain Joseph E. Hart, U.S. Navy  
Department of Naval Warfare, GLNSS

Lieutenant Commander L.S. Darkowski  
(ChC), U.S. Navy  
Chaplain, Naval Air Facility, Monterey

Commander Edward J. Hemphill, (ChC)  
U.S. Navy  
Chaplain, Naval Postgraduate School

Professor Frank E. LaCauza  
Academic Chairman, General Line and Naval Science  
School, N.P.S.

Captain Sam J. Caldwell, U.S. Navy  
Department of Seamanship and Administration, GLNSS

Lieutenant M. J. Linderman, U.S. Navy  
Assistant to Director for Women, General Line and  
Naval Science School, N.P.S.



## Candidates For Certificate Of Completion Of General Line Curriculum

WILLIAM H. ALBERTSON, LT, USN . . . . .	Fighter Squadron THIRTY - THREE
JACOB A. ALGER, LTJG . . . . .	Philippine Navy
THOMAS M. ALTEE, LT, USN . . . . .	USS SARATOGA (CVA-160)
ROBERT W. AMBROSE, LCDR, USN . . . . .	Fighter Squadron NINETY-TWO
HOWELL D. AVERYT, LT, USN . . . . .	USS HANCOCK (CVA-19)
JAMES R. BAAB, LT, USN . . . . .	USS POINT DEFIANCE (LSD-31)
ELIZABETH S. BAKER, LT, W, USN . . . . .	Recruit Training (Women), Bainbridge, Md.
COURTLAND D. BALL, III, LT, USN . . . . .	USS YORKTOWN (CVS-10)
HERBERT G. BANHAM, LT, USN . . . . .	Operational Test and Evaluation Force, Norfolk, Va.
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BARBARA A. BARRY, LT, W, USN . . . . .	Office of Legislative Affairs, Navy Dept., Wash., D.C.
*JOSEPH H. BAUERNFEIND, LT, USN . . . . .	USS YORKTOWN (CVS-10)
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*DONALD L. CASKEY, LT, USN . . . . .	USS VALLEY FORGE (CVS-45)
HOWARD CHERESKIN, LT, USN . . . . .	USS CALVERT (APA-32)
YUNG-AN CHIU, LT . . . . .	Chinese Navy
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JAMES, R.D. CLARK, LCDR, USN . . . . .	Photographic Squadron SIXTY-THREE
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\* In Absentia

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HAROLD L. PIPER, LT, USN . . . . .	Air Anti-Submarine Squadron THIRTY-TWO
WILLIAM E. POLING, LT, USN . . . . .	Staff, COMDESRON TWENTY-TWO
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JASON J. SMITH, LT, USN . . . . .	USS ESSEX (CVA-9)
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\* In Absentia

207011

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 YAO-YEN WANG, LCDR . . . . . Chinese Navy  
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 SUE E. YOUNG, LT, W, USN . . . . . U.S. Naval School, Officer (W), Newport, R.I.

\* In Absentia

## NOTES

The first part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atomic nucleus. It is shown that the structure of the nucleus is determined by the interaction of the nucleons, which are the particles that make up the nucleus. The interaction is described by the strong interaction, which is the most powerful of the four fundamental interactions. The strong interaction is responsible for the binding of the nucleons together in the nucleus. The second part of the paper is devoted to a discussion of the experimental results of the study of the structure of the atomic nucleus. It is shown that the experimental results are in good agreement with the theoretical predictions. The third part of the paper is devoted to a discussion of the applications of the theory of the structure of the atomic nucleus. It is shown that the theory can be used to predict the properties of the nucleus, such as its mass, its size, and its stability. The fourth part of the paper is devoted to a discussion of the future of the theory of the structure of the atomic nucleus. It is shown that there are many problems that remain to be solved, and that the theory is still in the early stages of development.





